



# THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.  
Founded in 1931

## NOVEMBER MEETING: ANNUAL, MEMBERS ONLY AUCTION

JEFF FULLER KE2ELI, RARA VICE PRESIDENT



### DETAILS IN THIS ISSUE

Please join us on November 5, 2025, at the Boy Scouts Headquarters at 2320 Brighton Henrietta Townline Road,  
Rochester, New York 14623

MADE IN THE USA

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#### INSIDE THIS ISSUE

|                             |    |
|-----------------------------|----|
| MONTHLY PROGRAM             | 1  |
| MEMBERSHIP NEWS             | 2  |
| SEPTEMBER MEETING REVIEW    | 2  |
| PUBLIC SERVICE REPORT       | 3  |
| EDUCATION                   | 4  |
| LICENSE COURSES             | 4  |
| ELMER'S CORNER              | 4  |
| MORSE CODE TRAINING         | 5  |
| VE TESTING                  | 5  |
| RAFFLE PRIZES               | 6  |
| K2JD AUCTION ITEMS          | 7  |
| NOVEMBER AUCTION            | 8  |
| ERIE CANAL BICENTENNIAL     | 9  |
| QUEST FOR COIL FREE ANTENNA | 10 |
| DID I GET WHAT I PAID FOR?  | 11 |
| AF MARS                     | 12 |
| GIL CARTOON                 | 12 |
| RAGS OF THE PAST            | 13 |
| CALENDAR                    | 15 |
| NEWS FROM AREA CLUBS        | 16 |
| AMATEUR'S CODE              | 18 |
| RARA OFFICERS               | 19 |
| AREA CLUB CONTACTS          | 20 |
| AUCTION ITEM FORMS          | 21 |



# MEMBERSHIP NEWS

TIM BARRETT K9VB, RARA MEMBERSHIP SECRETARY

Our final membership count at the end of September was 532 which we can be very pleased with. Thanks to all of you who have helped keep up a good membership number!

As always, we see a drop in numbers at the end of our membership year, September 30<sup>th</sup> and this year is no exception. As of mid-October, our total membership stands at 281 so a number of you still need to renew!

The new membership annual dues took effect on October 1<sup>st</sup> and are as follows: Full members \$30, Associate and Senior members \$20, family members \$10. Student members under age 22 continue to be free. Life Membership is now \$600 and Senior Life is \$400.

If you haven't renewed yet or wish to join, please do so as soon as you can so we can get those numbers back up!

If you are not sure of your membership status take a moment to go to the [renewal page](#) on our website to check that your membership is up to date, and if necessary you can renew from there.

When an associate member gets their license we upgrade them to full member at no extra cost, but the FCC does not inform us automatically. We often spot an upgrade but not always so if you are recently licensed, please check that we have your call.

I'd like to give a warm welcome to new member Petra Hofmann KE9DDT.

Remember to look for new members at RARA events and make sure to introduce yourself and welcome them to the club!

Tim Barrett K9VB [membership@rochesterham.org](mailto:membership@rochesterham.org).

## OCTOBER MEETING REVIEW: PRACTICAL USES FOR 3D PRINTING

JEFF FULLER KE2ELI, RARA VICE PRESIDENT

Hello everyone,

I hope this message finds you all well and on the air!  
We had a fantastic meeting this month with a lot of important updates and a fun presentation.

- Membership Renewals and Member Points: Tim provided a helpful update on membership renewals, reminding everyone that our yearly memberships ended on September 30th. If you haven't renewed yet, please take care of that soon to maintain your membership benefits! He also gave a quick recap of the member points system, encouraging everyone to participate in club activities.
- Banquet Success: Susan gave a great report on the Annual Banquet, highlighting its success and thanking everyone who attended and helped make it a special evening.
- Erie Canal Bicentennial: Don updated us on the club's activities planned for the Erie Canal Bicentennial celebration. It sounds like we have a great plan in place for this significant event!
- 3D Printing Presentation: Finally, I thoroughly enjoyed leading the discussion on the application of 3D printing in amateur radio. It was clear from the turnout and the lively conversation that there is a lot of interest in this topic within the club. Thank you to everyone who asked questions and shared their thoughts—your engagement is what makes these meetings so valuable and fun. I certainly appreciated the thoughtful and specific questions about how 3D-printed parts can improve our antennas, enclosures, and station setup.

Get Ready for the Annual Auction!

Now, as we look ahead, mark your calendars! Our next club meeting on November 5th will be the much-anticipated Annual Auction.

This is a phenomenal event for two great reasons: it's a wonderful social gathering, and it's the perfect opportunity to clean out your shack! We all have those pieces of equipment—an extra power supply, a transceiver upgrade that never happened, or an antenna analyzer that's been gathering dust. Instead of letting it take up space, why not rehome it with a fellow club member who can put it to good use?

Whether you're looking to offload some gear or hoping to snag a great deal on a new piece of equipment for your station, the auction is the place to be. Start digging through your inventory now and plan to bring your items to the next meeting.

As a reminder this month's meeting is just for members and is in person only, there will not be a Zoom stream to participate with.

I'm looking forward to seeing you all there!  
73

# PUBLIC SERVICE REPORT

MIKE MOORE KC2NM, PUBLIC SERVICE COORDINATOR

Two successful public service events were held in September.

The Fairport Lift Bridge Regatta was held Saturday, September 20, 2025, at the Fairport Crew Club Boathouse, located on the Erie Canal near the bridge on Route 31F (Fairport Road). Racing began at 8 a.m. and ended at about 3 p.m. We supported 87 heats during the race. Communications were largely simplex, but a cross-band repeater was used near the boathouse to insulate radios from desense issues when communicating with the start line from nearby radios. The weather was great, and the Fairport Crew Club fed us well. Participants were: George Adams K4GWA, Shawn Bright KC2KYB, Paul Conway KD2DO (also did set up on Friday), Tony Correa KD2PTJ, Jon Dickason N2JAC, Dan DiVincenzo WRUP517 (GMRS callsign), Joe DiVincenzo AD2DB, Jim Herbst KC2KNJ, Nick Manuele AF2M, Cindy Manuele (scribe), Mike Moore KC2NM, Mark Pedersen KC2UES, Julia Rombaut KE2GCR, and Mike Ruiz WG1G.



Canal Side Action - Fairport Liftbridge Regatta

The Wilmot Breakaway Ride, benefiting the Wilmot Cancer Center, was held on Sunday, September 28, at the Xerox Campus in Webster. There were four ride courses with lengths of 12.5, 25, 50, and 75 miles. RARA provided a communications command center with telephone, sweep and sag vehicles, and rest stop communications with a directed net. Wilmot used their own volunteers to man the sag vehicles again this year. This is not our preference, but in the spirit of interoperability, Mike Vasile K2MTV, suggested that Wilmot rent Motorola TLK 100 POC radios for the road team. This worked well with most team members using the POC radios, with the Sweeps using the Drumlins Repeater for sweep dispatch. The event was a success with 350 riders. \$600K had been pledged to Wil-

mot as of the event date. Participants were: Stu Allen KD2TWM, Joe DiVincenzo AD2DB, Peter Fournia W2SKY, Michael Freeman KC1QCI, Galen Guyer K9FGT, Jim Herbst KC2KNJ, Vinnie Lauro KC3WIP, Aidan LeMay K5DOC, Mike Moore KC2NM, Alex Polge KD2UJC, Mike Vasile K2MTV, and Steve Verzulli KA1CNF.



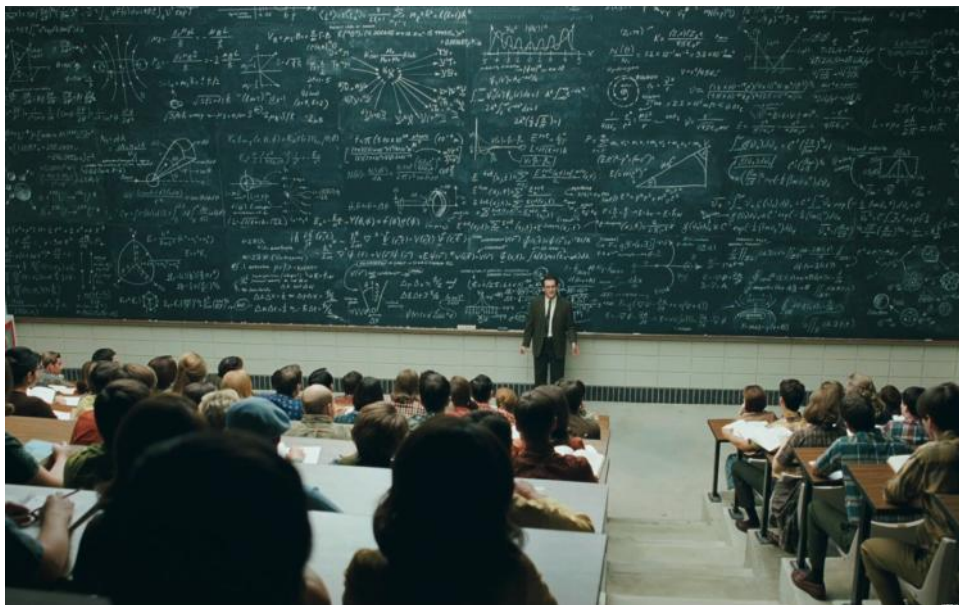
Wilmot Breakaway Ride Command Center manned by RIT ARC members

Remaining events in the 2025 public service calendar are listed in the following table. Visit [https://rochesterham.org/public\\_service.htm](https://rochesterham.org/public_service.htm) for more information and to volunteer for these events.

## 2025 RARA Public Service Events

| Event       | Location               | Day      | Date          |
|-------------|------------------------|----------|---------------|
| Maker Faire | Gordon Field House RIT | Saturday | Nov. 15, 2025 |





## EDUCATION

### RARA ACADEMY

AARON ROMBAUT KE2DYI

#### AMATEUR RADIO SUBJECTS OF INTEREST – VOLUNTEERS NEEDED!

One of the strengths of **Amateur Radio** is the way we *share* knowledge. Whether it's learning to program radios, exploring digital modes, building antennas, or experimenting with new tools like AI, there's always something new to try — and always someone willing to lend a hand.

This fall, **RARA Academy** is looking at an **exciting lineup of possible classes and workshops**, but here's the key: these sessions can *only* happen if members like **you** step forward to attend them. I'm not putting them on the calendar just yet — instead, I'm inviting **volunteers to help make them a reality**. If you've ever thought about sharing *your skills* as an **Elmer**, now is the **perfect time**.

#### CARRYING THE SPARK FORWARD

One of the goals of the RARA Academy is to support that spark—to help you take the next step, no matter where you are in your Amateur Radio journey.

Send your ideas for future sessions to [academy@rochesterham.org](mailto:academy@rochesterham.org). Whether you're just starting out or looking to deepen your skills, chances are others would benefit from the same topic.

Every question is a good one, and every idea is worth considering. So—*what can RARA do for you?*

#### ECHOLINK ACADEMY SESSION

I'm planning to host an **EchoLink Academy** session in November. At the moment, the federal government shutdown is affecting amateur radio operators by preventing license lookups in the **FCC Universal Licensing System (ULS)**. Because EchoLink requires verification with an official FCC license, anyone without a current license or EchoLink account would be unable to complete registration at this time.

If you're interested in attending, please email [academy@rochesterham.org](mailto:academy@rochesterham.org) and I'll keep you updated with details.

The session is **planned for Saturday, November 15, 2025, at 10:00 AM (EST)**.

### RARA LICENSE COURSES

KARL HEINZ KREMER K5KHK

#### License Classes

We are more than half way through our Fall license classes. In a few weeks, we hope to welcome some new hams to our hobby (and celebrate a few upgrades). Because of the government shutdown, you can take the test (assuming that you have your FCC Registration Number - or FRN for short), but the FCC will not issue your license until they start to work again. Don't let that discourage you: We used to wait six weeks and more for our licenses to show up in the mail.

Our next license classes will start in January, please email [education@rochesterham.org](mailto:education@rochesterham.org) for more information.

#### License Manuals

All current editions of the license manuals are available to our members at a discount for \$25. At this discount, we unfortunately cannot deliver, and you would have to pick up the manual. If you are interested, please send an email to [education@rochesterham.org](mailto:education@rochesterham.org)

### RARA ELMER'S CORNER

AARON ROMBAUT KE2DYI

#### ELMER'S CORNER – OCTOBER RECAP

This month's Elmer's Corner sessions brought together new and seasoned hams for friendly Q&A and technical discussion. In the first session, participants helped explore programming radios, with members sharing tips on using CHIRP, RT Systems, and manufacturer-specific software. The group compared cables, discussed repeater programming, and exchanged advice on antennas and practical

on-air setup.

The second session shifted toward on-air experiences. Members shared recent operating stories, antenna projects, and digital-mode experimentation using WSJT-X and Fldigi. Conversation also covered travel and operating abroad, upcoming RARA events such as the November auction, exam preparation, and pursuing General class license. We also had discussions of the current Government shutdown and how that is affecting Amateur Radio.

As always, Elmer's Corner continued its mission of helping operators learn, share, and stay active on the air.

### NEXT ELMER'S CORNER

I am going to continue to hold *two* Elmer's Corner sessions until the new year. I am still trying to gauge if the first or second weekend is better. Other feedback I have received is changing the time. All suggestions are welcome; please email [elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org) with all suggestions.

#### Session 1: Saturday, November 1, 2025

Meeting ID: 821 7617 1043 Passcode: 12121901

#### Session 2: Saturday, November 8, 2025

Meeting ID: 840 0471 7219 Passcode: 05241844

### MORSE CODE TRAINING

DAVE WILSON WA2HOY, RXCWG COORDINATOR

The RXCW Group assists Hams wanting to learn Morse Code or to develop their CW skills.

#### MORSE PRACTICE FOR ALL LEVELS ON ZOOM

Tim Brown WB2PAY, hosts code practice for all levels on Monday evenings at 7:00 PM.

Register at: [tjbrown@rochester.rr.com](mailto:tjbrown@rochester.rr.com)

### W1AW On The Air CW Practice

| Time  | Mon  | Tue  | Wed  | Thu  | Fri  |
|-------|------|------|------|------|------|
| 9 AM  |      | Fast | Slow | Fast | Slow |
| 4 PM  | Fast | Slow | Fast | Slow | Fast |
| 7 PM  | Slow | Fast | Slow | Fast | Slow |
| 10 PM | Fast | Slow | Fast | Slow | Fast |

SLOW - 5, 7 1/2, 10, 13 and 15 wpm

FAST - 35, 30, 25, 20, 15, 13 and 10 wpm

FREQ(MHz) - 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555

Those wanting to start into CW QSOs and Morse Code can schedule coaching sessions on Zoom. Contact Peter Fournia W2SKY for further details.

W1AW - <http://www.arrl.org/w1aw-operating-schedule>

### VE TESTING DON KISER AC2EV

Our room has been confirmed and we will be testing at our "normal" location this season.

The session will be held in the Skalny room located in the Schmitt interfaith building.

- Testing starts at 10:00 AM.
- Be sure to bring
- Photo ID
- Pen
- Pencil
- 4-function calculator (no phones)

You can sign up at Hamstudy.org. This ensures you have a FRN and have a spot reserved. Failing to pre-register may result in not having your exam submitted at the session.

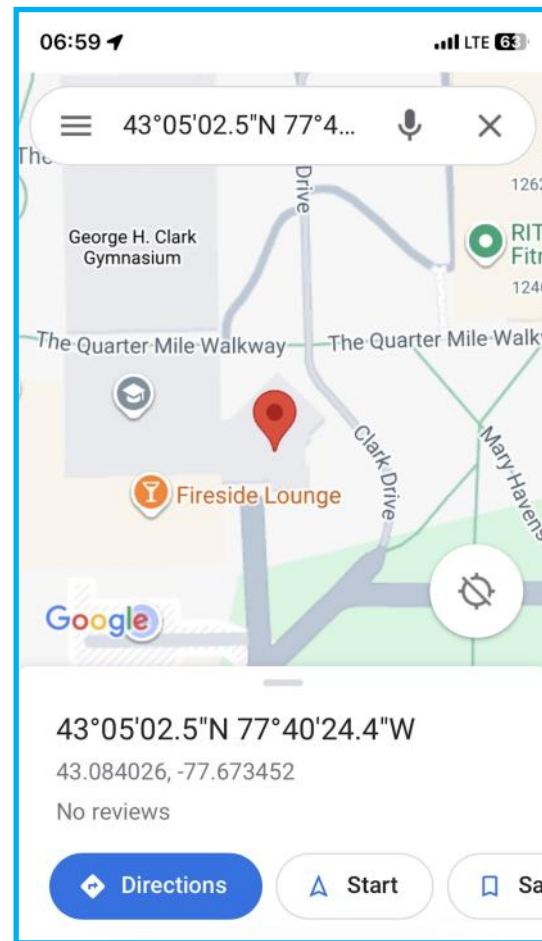
<https://hamstudy.org/sessions>

And search by zip-code 14624

The testing session is:  
November 15, 2025

Signup for the exam at:

<https://hamstudy.org/sessions/68b6d15e3ab72ac0e25bbfd0/1>



### Silent Key

**Larry Brightenfield**  
**W2LB**  
October 6, 2025

### Silent Key

**Chuck Biley**  
**K3NAU**  
October 6, 2025

## CW ELMERS

| Name           | Call   | Area          | Email                                                                  |
|----------------|--------|---------------|------------------------------------------------------------------------|
| Ned Asam       | W2NED  | Pittsford     | <a href="mailto:w2ned@frontiernet.net">w2ned@frontiernet.net</a>       |
| Tim Brown      | WB2PAY | Ogden         | <a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a> |
| Reiner Dieg    | N2PEZ  | Elmira        | <a href="mailto:n2pez@arrl.net">n2pez@arrl.net</a>                     |
| Pete Fournia   | W2SKY  | Penfield      | <a href="mailto:pfournia@gmail.com">pfournia@gmail.com</a>             |
| Bill Hopkins   | AA2YV  | Brighton      | <a href="mailto:whopkin4@naz.edu">whopkin4@naz.edu</a>                 |
| Bob Karz       | K2OID  | Webster       | <a href="mailto:rkarz@alum.mit.edu">rkarz@alum.mit.edu</a>             |
| Joe Rowe       | AG2Y   | Webster       | <a href="mailto:ag2y66@gmail.com">ag2y66@gmail.com</a>                 |
| Harry Williams | KF2TV  | Kingsland, GA | <a href="mailto:harryw7872@gmail.com">harryw7872@gmail.com</a>         |

## October Raffle Prize Winners



## NOVEMBER RAFFLE PRIZES

- No RAFFLE

## COMING IN DECEMBER

- ARRL HANDBOOK

## RADIO ELMERS

| Name              | Call   | Area      | Email                                                                  |
|-------------------|--------|-----------|------------------------------------------------------------------------|
| Tim Brown         | WB2PAY | Ogden     | <a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a> |
| Dave Carlson      | N2OA   | Batavia   | <a href="mailto:kdcarlso@gmail.com">kdcarlso@gmail.com</a>             |
| Lawrence Hill     | N2AJX  | Henrietta | <a href="mailto:lawrence.hill@rit.edu">lawrence.hill@rit.edu</a>       |
| Rich Hoffarth     | K2AXP  |           | <a href="mailto:rhoffarth2000@yahoo.com">rhoffarth2000@yahoo.com</a>   |
| Bill Kasperkoski  | WB2SXY | Pittsford | <a href="mailto:wb2sxy@gmail.com">wb2sxy@gmail.com</a>                 |
| Don Kiser         | AC2EV  | N Greece  | <a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>           |
| Karl Heinz Kremer | K5KHK  | Chili     | <a href="mailto:k5khk@khk.net">k5khk@khk.net</a>                       |
| Tim Magee         | WB2KAO | Greece    | 585-704-5747                                                           |
| Mike Moore        | KC2NM  |           | <a href="mailto:mikemoore14534@gmail.com">mikemoore14534@gmail.com</a> |
| Peter Schuch      | WB2UAQ | Perinton  | <a href="mailto:pschuch@rochester.rr.com">pschuch@rochester.rr.com</a> |
| Forest Shick      | WA2MZG | Webster   | <a href="mailto:fshick3@gmail.com">fshick3@gmail.com</a>               |
| Dave Timmons      | W2DST  | N Greece  | <a href="mailto:dstimmons@gmail.com">dstimmons@gmail.com</a>           |
| Steve Verzulli    | KA1CNF |           | <a href="mailto:verzulli@yahoo.com">verzulli@yahoo.com</a>             |
| Dan Waterstraat   | W2DEW  | Henrietta | <a href="mailto:higreen@rochester.rr.com">higreen@rochester.rr.com</a> |



# K2JD AUCTION ITEMS

**BRIAN O'CONNOR KA2CGB**

RARA will have a good variety of donated items at this year's auction.

The following items are staged for preparation (clean and test) in advance of the auction.

## HF Radios

- Kenwood TS-690V HF+6m 10W transceiver
- Kenwood TS-850S HF 100W transceiver (needs repair)
- Heathkit SB-310 HF receiver
- Globe Chief Deluxe HF transmitter
- Meissner model EX "Signal Shifter"

## VHF/UHF Radios

- Yaesu FT-8900R 10/6/2m@50W 70cm@35W transceiver
- Kenwood TH-D74A 2m 1.25m 70cm 5W D-STAR APRS \*NIB\*
- Vertex VX-150 2m 5W HT
- Icom IC-V8 2m 5W HT
- Kenwood TH-77A 2m 70cm 5W HT with BC-11 rapid charger
- Baofeng RF888S FRS HT
- Midland 75-515 "Speak Easy™" FRS HT (qty 2)
- Uniden Bearcat BC700A scanner 29-54/108-174/406-512/806-956 MHz

## Station Accessories

- Yaesu SP-901 loudspeaker with phone patch
- Labtec LCS-2424 amplified loudspeaker
- MFJ 618 Dual-Channel Speech Intelligibility Enhancer \*NIB\*
- Heathkit SB-630 station console
- MFJ-1701 6-way coaxial switch
- B&W 550A 5-way coaxial switch

## Antennas

- Diamond V/UHF base station antenna
- Hy-Gain VHF base station antenna
- Unadilla W2AU 1:1 "The Big Signal®" balun
- W1SFR "KX3 Helper" end-fed random-wire antenna with 91 balun
- RARA Academy EFHW Antenna kit

## Power/SWR Meters

- Heathkit HM-2102 6- 25/250 W
- Daiwa CN-801 160-2m 2/20/200/2000W
- Diamond SX-80D 160-6m 2m-70cm 5/20/200W

## CW Accessories

- MFJ-864 paddle key
- NYE code practice oscillator with Speed-X straight key
- Telegraph Apparatus Company CP-510 "Speed Key" bug

## Power Amplifiers

- Acom 1010
- Ameritron AL-811H
- Ameritron ALS-600 with ALS-600PS

## Meters

- Fluke 77 multimeter
- Eico 540 Readi-Tester
- Uygao UA-6243L L R C Hfe meter
- Davis Electronics 7208 frequency counter 600 MHz

## Test Equipment

- HP 1740A 2-channel 100MHz oscilloscope
- HP 8713B Network Analyzer 300kHz-3GHz
- HP Harrison 6291A DC power supply 0-40V 0-5A
- Marconi 2955 communications test set
- Boonton 72B capacitance meter

Please note that items which fail basic test will most likely not be presented.  
See you at the Auction !!

## CALENDAR OF EVENTS

**SATURDAY NOVEMBER 1, 2025** - Elmer's Corner

[elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org)

**WEDNESDAY NOVEMBER 5, 2025** - RARA Meeting 7:00 PM. In Person at Boy Scouts Headquarters, 2320 Brighton Henrietta Townline Rd, Rochester, NY 14623

**THURSDAY November 6, 2025** - RARA Board of Directors Meeting  
6:30 PM - ONLINE

Email request for link to [secretary@rochesterham.org](mailto:secretary@rochesterham.org)

**SATURDAY NOVEMBER 8, 2025** - Elmer's Corner

[elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org)

**SATURDAY NOVEMBER 15, 2025** - RARA Academy: Echolink

[elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org)

# NOVEMBER AUCTION!!!!

CHRIS REICH WB2DYJ

Don't look now, but it's November once again and that means only ONE THING to RARA members - **THE NOVEMBER RARA AUCTION**.

Actually go ahead and look now; what's lying around your shack that's unused, unloved, or an unfinished project that realistically you're not going to have time for? Always remember that your junk is another ham's treasure so haul your treasures in early (and I emphatically mean **EARLY**) to our meeting on November 5.

Sellers are encouraged to arrive at 6:00PM/1800 local time. Please do arrive promptly at that time, but not earlier as the committee needs time to set up. Buyers are also welcome at any time after 6:00PM. The meeting will start promptly at 7:00 PM/1900 local time so we will need everyone seated by then.

I have attended more RARA auctions than I can count, going back to the late '70s. I daresay I've probably attended more of them than any living member other than my personal hero, Ed Gable, K2MP who graciously handed the reins of the event to me last year. I may not have as many stories as he has, but I hope to manage a fun and successful event.

Behind the scenes, there have been a number of us planning how to best orchestrate the evening. The truth is that the layout of our current venue complicates matters in ways we've not had to deal with in the past. For that reason, it's become clear that more volunteers are necessary to keep things flowing efficiently. As usual, we are short a few volunteers. Some of them may end up doing double-duty if we can't get more help. If you'd like to be an active participant, PLEASE come as early as possible and make yourself known to me or to Tim Guyot, KB1POP. All volunteers are allowed to bid on items, of course.

Specifically, because the event is open **ONLY** to members in good standing (meaning they've paid their dues for this fiscal year), we anticipate the need for a volunteer to help check the standing of attendees upon arrival. It is conceivable that our new treasurer may want assistance in handling finances of each sale, because we expect to power through the auction at a record pace. (Right, I don't have the stories that Ed does.)

If you need to join or renew, please do so online at:  
Renew [https://rochesterham.org/membership\\_data.aspx](https://rochesterham.org/membership_data.aspx)  
Join [https://rochesterham.org/membership\\_join.htm](https://rochesterham.org/membership_join.htm)

Here are the rules for the November 2025 RARA auction:

- Attendance is restricted to **ONLY** current members of RARA. (It's one of the benefits of membership, after all).
- The event is not available online. Be present in the room to participate.
- There will not be refreshments (coffee and donuts) available. Only bottled water is allowed in the meeting room.

- There will not be a raffle. Jeff and Forest wants to buy stuff!
- Priority will be given to articles associated with the hobby. Please leave your stereo and computer equipment at home.
- RARA collects a fee of 10% on all sales, rounded to the nearest dollar. Note that this fee has NEVER been increased, and there is no discussion underway to increase it!
- Sellers must attach a copy of the tag found elsewhere in this issue of the RAG. Fill it out completely but ignore the bottom line regarding interested bidders. That was an experiment last year that we are not repeating.
- RARA makes no warranty for any equipment sold; all equipment is sold AS-IS, final sale. Sellers warrant that equipment is accurately described on the associated tag.
- Bring cash, also called legal tender. Bring lots of it. Bring all the cash you can muster. We have not been successful in facilitating electronic payments yet. We hope to be able to provide for this next year, but not now. In short, cash only.
- For large transactions, a bidder may ask if seller will accept a personal check. Auctioneer will ask for seller's response. If payment to seller is by personal check, the commission to RARA is to be paid in cash/legal tender, rounded to the nearest dollar.
- Junk boxes are allowed, but each will be sold as a lot of one (1) box. Nothing will be broken out of any junk box for individual sale.

The Board of Directors have allowed for the "fire-sale" (for lack of a better term) of club-owned equipment. This is equipment that has been donated to RARA, often from the estates of silent keys. With a very few exceptions, there is no minimum bid on these items; they will sell at whatever price they bring. It has been decided that there is no advantage to the club to move said equipment several times in hopes to sell them; they will be sold and RARA frees up storage space. So you can anticipate some exceptional bargains at this auction, and that is just one more benefit of membership! Brian O'Connor KA2CGB provides a partial list of club owned equipment elsewhere in this issue of the RAG. For reference, club-owned equipment will be sold under the club station callsign **K2JD**.

If your item does not sell, take it home. Anything left behind will be considered a donation to anyone caring to claim it, or to the club. But seriously, take it home with you.

Please be mindful of hazmat items such as PCBs, mercury in old rectifier tubes, and high power tubes made with beryllium. We must not contaminate the facility so in case of doubt about an item, put it in a sealed plastic bag or suitable plastic container.

Be mindful also of mold; we will be in an enclosed facility with many members who are probably grandparents (myself included) and we don't want to risk any potential breathing hazards. If it smells musty or has visible mold, please leave it at home.

Regarding the previous two paragraphs, we may refuse to auction any item we deem hazardous and will require it to be removed.



# RARA Members Celebrate the Erie Canal Bicentennial

Don Wegeng KD2WWY

The Rochester Amateur Radio Association participated in a statewide Parks on the Air event to celebrate the bicentennial of the Erie Canal. The goal was to perform POTA activations of the Erie Canalway Corridor National Heritage Area (POTA reference US-6532) during the period of September 16-25, which coincided with the dates of the World Canals Conference in Buffalo, NY. Our club's goal was to activate US-6532 every day of the event, using the club callsign K2JD, as well as to introduce Parks on the Air program to new activators.

Club members were empowered to operate during time periods and at locations within US-6532 that were most convenient for each member. We activated on nine of the ten days. We logged 449 QSOs, and introduced four club members to Parks on the Air. Many thanks to everyone who helped to make this a successful activity!

RARA participants included:

Bob (WA2BTC)  
Brian (KA2CGB)  
Dave (K3WHD)  
Don (KD2WWY)  
Jack (K1VHZ)  
Jeff (KE2ELI)  
Mike (KB2SXO)  
Pete (WB2UAQ)  
Rich (KB2UBJ)





# LINEAR LOADING: AN EXPERIMENTER'S QUEST FOR COIL-FREE ANTENNAS

JEFF FULLER KE2ELI

As an antenna enthusiast, I'm always drawn to experimentation. The world of amateur radio offers an endless playground of concepts to test and refine, and my favorite challenge is seeking out efficient, compact designs. Specifically, I've spent considerable time lately with **linearly loaded antennas**, to eliminate the loading coil.

## The Coil Conundrum

In a physically short antenna, a loading coil is often a necessary evil. Its job is to add the required **inductance** to tune the antenna to the desired frequency, effectively making a short antenna appear electrically long. However, this convenience comes at a cost. Any coil introduces **ohmic resistance** and **losses**, which means some of my transmitted RF power gets converted into heat, rather than being radiated into the air.

As an experimenter, this power loss is a fundamental design compromise I'm always looking to avoid. My goal is to maximize **radiation efficiency** by keeping all components as "clean" and linear as possible.

## Linearly Loaded Antennas: A Solution

This is where **linear loading** shines. Instead of concentrating the required inductance in a single, lossy coil, linear loading achieves the necessary electrical length by incorporating the inductance directly into the radiating element itself.

## How It Works: The 'Folded' Inductance

The most common method of linear loading involves folding or zigzagging the conductor within the antenna's available physical space. This folding or spacing technique introduces **distributed inductance** along the length of the element. Folded Monopoles/Dipoles run conductors parallel to the main element and shorting them at the end, or by using a zig-zag pattern, the electrical path length is significantly increased without increasing the physical height or span.

The critical advantage here is that the resistance associated with a **long piece of wire** (the linear load) is generally much lower than the resistance of a compactly wound **RF coil** designed for the same inductance. Less resistance equals less power lost to heat and higher **radiation efficiency**. This is especially useful for QRP amateurs.

## My Experimental Antenna

I am currently working with a compact fiberglass telescopic pole with a pair of connected power poles at the top. This antenna works as a 20m vertical and

40m vertical. By using 2 wires (one cut for 20m and one cut to extend the antenna to 40m) coupled with 2 elevated radials, I am able to quickly work 20 or 40 meters with a minimum of loss. I have successfully worked a number of POTA activations with this antenna and made contacts from Washington to Belgium.



# DID I GET WHAT I PAID FOR?

FOREST SHICK WA2MZG

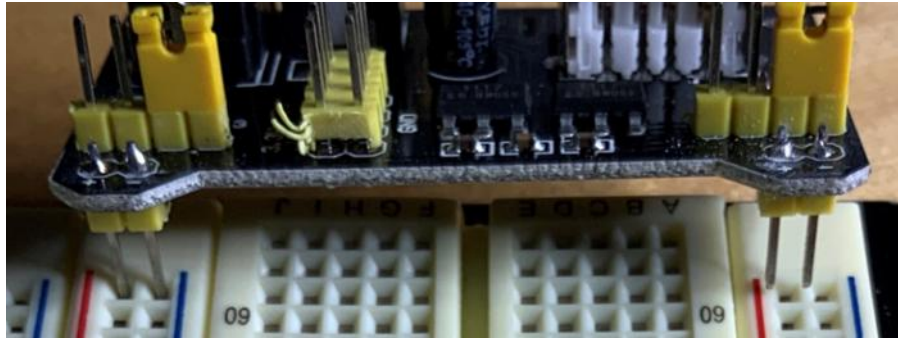
My grandson wants to learn about electronics, so we started building resistor / capacitor circuits on a protoboard. Things were progressing very well, so we added a 555 timer to make it more interesting. We were using 1, 2, or 3 AA batteries and a 9V battery for the experiments. All was good.



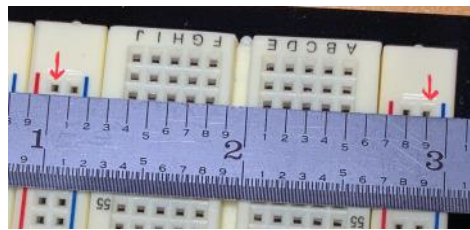
The next step will be digital ICs. Typically requiring a 3.3 or 5 volt power source. I purchased a power module from Amazon that plugs into the protoboard. Seemed like a good idea at the time.

[https://www.amazon.com/dp/B00HJ6AE72?ref=ppx\\_yo2ov\\_dt\\_b\\_fed\\_asin\\_title&th=1](https://www.amazon.com/dp/B00HJ6AE72?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1)

It arrived in a day and looked great until I tried to plug it into the protoboard.



Guess what? It doesn't fit!



After careful examination, the left to right connector pin spacing is narrow by about 0.05 inches. (1.9 vs 1.85 in)

Next I did a simple examination of the board. The leads on the bottom side should have been trimmed shorter and there were 2 bent pins from 5 boards - not bad.



Finally I went back to the Amazon web site to review the specs. The specs are stated in 4 different places and there are 2 different sets of specs.

HiLetgo 5pcs 3.3V 5V Power Supply Module for MB102 102 Prototype Breadboard DC 6.5-12V or USB Power Supply Module

|                |             |
|----------------|-------------|
| Brand          | HiLetgo     |
| Color          | Black       |
| Item Weight    | 2.08 Ounces |
| Input Voltage  | 6.5 Volts   |
| Output Voltage | 12 Volts    |

## About this item

- HiLetgo 3.3V 5V Power Supply Module
- Output voltage: 3.3V, 5V
- Maximum output current: <700mA
- Input voltage: 6.5-9V (DC) or USB power supply
- Onboard two 3.3V, 5V DC output pin

## Features & Specs

|                |                       |
|----------------|-----------------------|
| Input Voltage  | 6.5 Volts             |
| Output Voltage | 12 Volts              |
| Plug Type      | Type A, Type C or USB |

Input Voltage: DC6.5-12V or USB power-up  
Output Voltage: 3.3V, 5V switchable  
Max. Output Current: <700mA

I located this data sheet info on the HiLetgo web site.

Now to apply power.

I connected 12VDC to the black power connector on the right, in the picture. The first board let out the magic smoke. The second board worked. The pushbutton switch turned the output power on and off. 5V and 3.3V were present at the correct terminals. The 5V also goes to the USB connector so it could be used to power a USB accessory.

But as mentioned in the specs, the USB connector is a power input. Is that the correct connector for power input?

There is no schematic provided so I traced out the circuit. The 12V from the connector goes to a diode. The diode connects to the switch. The switch connects to the LED and the input pin of the first LM1117-5. The output at 5V goes to the 5V terminals, the USB connector and the LM1117-3.3. The output of that device goes to the appropriate 3.3V pins.

If you were to use the USB connector as a 5V power input, either do not connect a power source to the black connector or be sure the pushbutton switch is off.

Did I get what I paid for?

Well, for \$10 I received 5 boards none of which have the correct pin spacing and one died on initial turn on.

I can bend (force) the leads to fit in the protoboard holes and everything seems to work.

Poor quality control or bad design - your decision; definitely bad advertising of the specifications. But for \$2.50 a board not bad.

Now to see how much magic smoke my grandson can let out!!!





## 77<sup>TH</sup> ANNIVERSARY AFMARS SPECIAL EVENT

**8-11 NOV 2025**

### Achieve Your Mission and Aim High!

The United States Air Force Military Auxiliary Radio System (AFMARS) formally invites all Amateur Radio Stations to contact our Special Event Stations! Mixed modes (digital and voice) and random times will challenge participants, hunt them all! Visit us for more information at:

<https://afmars.com>



### Amateur Radio Frequencies

Gen/Tech Portions of 80-  
10 meters (excluding 60m)

One or more contacts will  
earn a certificate!

**W1A, W1E, W1G, W1W**

**Bonus Station:  
W1A**

AFMARS HQ STATION

**Bronze – 2 Stations**

**Silver – 3 Stations**

**Gold – 3+1 Bonus**

**NO QSL's –  
CERTIFICATE ONLY**

Certificate may be downloaded  
from:

[https://www.elemcoshopfloor.com/gsbarc\\_cert/](https://www.elemcoshopfloor.com/gsbarc_cert/)

(after 15 Dec 2025)



Reprinted Courtesy November 1950 QST

## RAG ARTICLE FORMATTING AND LAYOUT HINTS

- NO COMMA BETWEEN NAME AND CALL SIGN:  
JOHN DOE ZZZZZ
- TIME IS AM OR PM ONLY:  
6:30 AM (SMALL CAPS)
- RARa (RaRa WITH SMALL CAPS)
- NO DOUBLE SPACES AFTER A PERIOD
- FONT: ARIAL
- TITLE: 20PT, BOLD, SMALL CAPS
- AUTHOR: 10PT, BOLD, SMALL CAPS
- TITLE AND AUTHOR ALIGNMENT: CENTERED
- MAIN TEXT: 10PT
- MAIN TEXT ALIGNMENT: JUSTIFIED
- PAGE ORIENTATION: LANDSCAPE
- MAIN TEXT BOX:  
H - 7.7 W - 10.4
- 2 COLUMNS, 0.2 SPACING BETWEEN COLUMNS
- **NO SPECIAL EMBEDDED FORMATTING**
- TRY TO LIMIT PICTURE SIZE TO THE WIDTH OF A COLUMN
- PICTURE FORMAT:  
JPG, PNG, PDF
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MICROSOFT WORD COMPATIBLE, ODT, TXT.
- EMAIL TEXT IS DISCOURAGED

# RAGS OF THE PAST

## ED GABLE K2MP, RARA HISTORIAN

20 Years Ago, November 2005

"Turn a bag of wires into cash" was how Bill Kasperkoski WB2SKY, opened his November RARA RAG article to remind people the next club meeting would be the popular annual auction. That year the event would be held at 7:30 PM at Henrietta Fire Company #1 on East Henrietta Road. Bill continued saying "the dynamic duo of Ed Gable K2MP and Dick Goslee (sk) KG2I have once again succumbed to our pleas to be the auctioneering staff for RARA's November Membership Program." Readers then were reminded of Auction night rules regarding a 10% bite of the selling cost going to RARA and that this annual activity is for paid members only. Show your membership card at the door.

RARA's Hamfest General Chairman, Harold Smith (sk) K2HC, wrote a small entry announcing the hamfest for this year would be June 2-3-4. Further, he wrote saying that a key feature of the Hamfest is the fine programming we all enjoyed over the years and this year you, the attendees, can help continue that fine tradition by letting the Hamfest committee know of what kind of programming you would like to be planned and presented. An email address was provided for easy contact between you and the Hamfest committee people.

RARA President Dick Goslee (sk) KG2I, continued his monthly "The Prez Sez." With an advance notice that the coming December meeting will be the popular joint meeting with the Kodak ARC, but due to scheduling changes at the Kodak site, the meeting will be at the usual Henrietta Fire Hall. Details next month. Finally, Dick announced that RARA member Raj Dewan N2RD, has stepped up and accepted the Team Leader position of RARA's VE Testing group. Raj got right to work! See his planned activity schedule elsewhere in this issue.

Writing for the Rochester Radio Repeater Association, RRRRA, was Brad Allen (sk) WB2CHY. Brad reported on the last meeting, a program with guest Nick Francesco who gave a talk entitled "Identity Theft and How to Avoid it and Fix It." It was well received by all attendees. Future programs were revealed as a talk during an IOTA presentation involving a demonstration of the 443.9 UHF repeater in the Bristol NY area. Later RRRRA will offer its annual FM Clinic where members can bring in their VHU/UHF FM transceiver for minor tune ups of frequency, tone and audio levels and the like.

Activity of the Xerox Amateur Radio Club, XARC, was covered by Fred Miller WO2P. Here he wrote about the club's Halloween Hunt scheduled for October 29<sup>th</sup>. Described as a "Tag Hunt" it appears to be a receive only transmitter hunt where you do not have to be a licensed Ham to participate, but details were not available yet, said Fred Miller. Hunt Masters were identified as Fred Miller WO2P and Judy Stonehill (sk) N2KXS.

The newly appointed RARA VE Team Leader, Raj Dewan K2RJ, announced the revision of RARA's VE Team to a regular monthly testing schedule. That being the third Saturday of every month, 9:00 AM, RIT Campus, Bldg 9, room 3139, use

parking lot J. Raj also announced that the Rochester VE Team will be using the Laurel VEC because they are the only VEC in the USA that offers free testing for the test takers. Local VE's registered with any other VEC can easily join Laurel as the accreditation process had been simplified and processing can be processed through Raj at his provided email address.

George Masny KA2GPJ, RARA Membership Secretary, wrote a reminder that memberships expire on October 31<sup>st</sup>. George continued with information on how to determine your membership status and the different opportunities available to you for renewing.

With regret it was reported that Alfred Dobbs AD2L and Harvey Samuels WA2LUE were reported as silent keys. From the Want Ads you could buy a perfectly operating Heath SB-220 1kW HF Linear Amplifier from Bob Rachow N2WY for \$500.00. A very unusual "Help Wanted" ad appeared by Bill Hopkins AA2YV, who wanted to borrow a good working Heath HW-9 QRP transceiver so that he could measure some critical circuit voltages to assist in troubleshooting his own rig. Jamison Eye Care, with all levels of professional service provided by Richard R. Jamison MD, WA2QDP, has remained a long time commercial advertiser



# the RARA RAG

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### RARA Auction Magic:

By Bill Kasperkoski, WB2SKY  
Vice-President, RARA

Turn a Bag of Wires into Cash, Parts into Tax Deductions and Unused Rigs into Smiles for Radio Newcomers. RARA is looking at the November calendar again and the Annual Auction is just around the corner.

The Dynamic Duo of Ed Gable K2MP and Dick Goslee KG2I have once again succumbed to our pleas to be the auctioneering staff for RARA's November Membership Program. Who could guess that Friday nights at RARA could be so entertaining? While Dick and Ed are substantially younger than the history of radio, their combined knowledge and first hand access to historic radio communications information (we're talking more than just a few sunspot cycles here, folks) gives them unique perspectives (one MIGHT say that they are old hands) at RARA's Annual Auction process.

As a reminder to the membership, (everyone has seen this before), the rules of the auction are simple. RARA keeps 10% of all sales as a commission, or you may choose to simply donate the full proceeds of your items to benefit the treasury. The commission or donation amount is fully tax-deductible. For donations, you may designate that it goes to specific programs like the Scholarship Program or Education etc. or to the General Fund. All sales are by cash unless the seller agrees to accept your check. Please ask before bidding on any item.

It is expected that you pay for items that you win in the bids right after the gavel falls, and the seller should pay the commission from the proceeds of the sale immediately after that to the accounting staff.

This is a member's only auction. Paid up members are welcome to put as many items up for sale as they can get through the door, and each paid member may bring a guest. You will be able to update your membership as you come through the door on the night of the event.

Sales in the parking lot and before the auction are prohibited. Please note that the doors will open one hour early, at 6:30 PM, for sellers to bring in and display their sale items. Please feel free to come and preview the auction items during this hour as well. There will be no regular business meeting and the auction will begin at 7:30 sharp.

Help out your club and fellow members with your auction items starting at 6:30 PM, Friday November 4<sup>th</sup>, 2005 at the Henrietta Fire Hall, 3129 E. Henrietta Rd, at the corner of Lehigh Station Road.

### Hamfest Programs

By Harold Smith, K2HC  
Hamfest General Chairman

Yes, there will be a Hamfest in 2006. It is scheduled for the weekend of June 2-3-4.

A most important Hamfest feature is programs. We need your help choosing topics and speakers. Please tell us if there is a topic you would like covered or a special speaker to make a presentation. Send your idea or suggestion to the Hamfest general chairman via email to [harold@rochesterhamfest.org](mailto:harold@rochesterhamfest.org).

You could receive those email messages if you were the Hamfest program chairman. That position is currently open. Contact me if you wish to participate as program chairman.

### RaRa Auction

November 4, 2005 7:30 PM.

(Doors open at 6:30 PM)

Henrietta Fire Company #1  
3129 East Henrietta Road

### SILENT KEYS

Alfred J. Dobbs, AD2L

September 13, 2005

Harvey N. Samuels, WA2LUE

October 3, 2005



## 40 Years Ago, November 1985

The RARA Auction is scheduled for Friday, November 1<sup>st</sup>, at the Police and Fire Academy, on Scottsville Road next to the Burger King. Doors will open at 7:00 PM and the auction starts promptly at 8:00 PM. Be sure to mark your items with a description, condition and a starting bid. The auctioneers will be Ed Gable K2MP and Len Gessin (sk) WA2ZNC. There will be no Chinese bidding this year in an effort to speed up the bidding process.

The Annual RARRA FM Clinic has been scheduled for November 15<sup>th</sup> at the usual location, The Pittsford Town Hall, starting at 8:00 PM. Ron Jakubowski K2RJ, RARRA Technical Director, will offer his services to check out and offer minor tuning of FM transceivers. *No basket cases please!*

The Rochester VHF Group has announced their November 8<sup>th</sup> meeting to be a technical discussion titled Meteor Scatter Communications. The speaker will be Lloyd Lake, an Engineering Manager with Harris/RF. The Group meetings are being held at the County Social Services Building, 111 Westfall Road. Use the building's south side parking lot.

We heard from Pete Secrist WB2SUN, who wrote a piece for the Xerox Amateur Radio Club, titled "Xerox Repeater Updates." Peter told his audience that the new 220 Mhz repeater is on a frequency of 224.26 with a -1.6 Mhz offset. The 220 repeater has the following features:

- Good location on top of the Xerox Square
- Autopatch
- 200 phone number autodial capability
- Fuzz-buzz. 911 access code. #50 disconnect
- Touch tone test

Ev Tupis WB2ELB, wrote a long piece aimed at introducing RARA folks to the ARRL 1986 Sweepstakes Contest coming up just 3 months away. Ev gave details on the *Rochester Cup* and why zip codes 144xx and 146xx have an advantage when applying for the cup. I dare not repeat Ev's strategy as it is possible some rules have changed in the 40 year history.

With regret it was reported that Edwin Hurysz WA2YFO and Lee Blauvelt K3CKN, were reported as silent keys. From the Want Ads you could buy a Heath SB301/SB401 with all filters. Call Al at 385-2430. W2YJ Commercial Communications, Amateur Radio Repair and business 2-way repair services was a commercial advertiser.



# the RARA RAG

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VOL 38

NOVEMBER 1985

NO. 3

## RaRa AUCTION AT POLICE AND FIRE ACADEMY

Well, its that time of year again—the first freezing rain or snow of the year always seems to fall on the night of the Auction. Will this year be any different?

Divide your excess equipment into the *goodies* and the *junk*, leave the junk at your curbside and bring all the goodies to the Police and Fire Academy on Scottsville Road (next to the Burger King) on Friday, November 1<sup>st</sup>. Doors will be open at 7 p.m. and the auction will start promptly at 8 p.m.

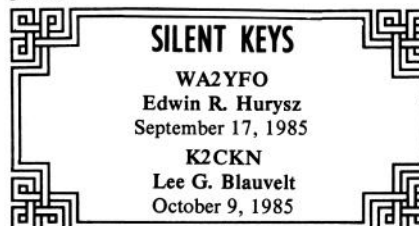
The auction is open to all RaRa members and a guest. Sellers will pay 10% of the sale price to the club. Club memberships may be obtained at the door.

All items must be marked with the seller's name, a brief description of the item and its condition, and a starting bid. Be sure to make the starting bid attractive — there will be no Chinese bidding this year — in order to try to keep the length of the auction reasonable.

Your auctioneers this year will be Smiling Ed Gable, K2MP, and Lenny Gessin, WA2ZNC.

## RARRA FM CLINIC — NOVEMBER 15<sup>th</sup>

The Rochester Radio Repeater Association, Inc. will hold its annual FM clinic at the Pittsford Town Hall, 8 p.m., on Friday, November 18. Ron Jakubowski, K2RJ, RARRA Technical Director will head-up the committee offering their services to check-out and perform *minor* tuning and adjustment on FM transceivers. *No basket-cases please!*



## LOCAL ANTENNA REGULATIONS PRE-EMPTED BY FCC!

While the ongoing fifty year antenna struggle between amateurs and the public they serve is undoubtedly not over, it has been greatly aided by a September 16<sup>th</sup> official government statement.

The Commission has declared a **limited pre-emption** over state and local regulation concerning amateur radio facilities holding that there is a strong **federal interest in promoting amateur communications**. The FCC has taken the position that local and state governments can not **arbitrarily** prevent antenna effectiveness by ruling against them.

### THE 1985 FCC DECLARATORY RULING

The Commission ruled on PRB-1 during mid-September. "While recognizing that there are certain general state and local interests which may legitimately affect amateur radio facilities," the FCC said that ... "state and local regulations which preclude amateur communications are in direct conflict with federal objectives and must be pre-empted."

The Commission declared that "local regulations which involve placement, screening or height of antennas based on health, safety or aesthetic considerations must reasonably accommodate amateur communications and represent the minimum practicable regulation to accomplish the purpose of the local authorities."

While the declaration by the FCC is a welcome legal milestone in amateur radio communications, a question remains ... "what role does 'aesthetics' now play in local and state antenna zoning ordinances?" My dictionary defines "aesthetic" as "artistic, in good taste, well-arranged ... beautiful." Will cities decide that amateur installations are just the opposite and continue to regulate against them?

Action by the Commission, September 16<sup>th</sup>, 1985, by Memorandum Opinion and Order (FCC-85-506) Commissioner Fowler, Chairman, Quello, Dawson and Patrick with Commissioner Rivera not participating.

*Tnx W5YI REPORT*

# RARA CALENDAR

TIM BARRETT, K9VB, RARA VICE PRESIDENT & MEMBERSHIP SECRETARY

| November 2025                                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                      |                                                                                                                                                      |                                                                                                                                                                                  |                               |                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sun                                                                                                                                                                                                                             | Mon                                                                                                                                                                                                               | Tue                                                                  | Wed                                                                                                                                                  | Thu                                                                                                                                                                              | Fri                           | Sat                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                 |                                                                                                                                                                                                                   |                                                                      |                                                                                                                                                      |                                                                                                                                                                                  |                               | <b>1</b><br><b>ARRL Sweepstakes, CW</b><br>UK/EI DX Contest, SSB<br>YBDXPI FT8 Contest<br>IPARC Contest, CW<br>EANET Sprint<br>High Speed Club CW Contest<br>Classic Exchange, Phone                                                                          |
| <b>2</b><br><b>ARRL Sweepstakes, CW</b><br>UK/EI DX Contest, SSB<br>YBDXPI FT8 Contest<br>Classic Exchange, Phone                                                                                                               | <b>3</b><br><b>AWA Net 145.110 MHz, 7pm</b><br><b>VHF Group 9pm 144.260 SSB</b><br>ICWC Medium Speed Test<br>OK1WC Memorial<br>WW Sideband Activity Contest<br>ARS Spartan Sprint<br>RSGB 80m Autumn Series, Data | <b>4</b><br>Phone Weekly Test                                        | <b>5</b><br><b>RaRa Annual Auction BSA 7p</b><br>A1 Club AWT<br>CWOps Test<br>VHF/UHF FT8 Activity Contest<br>Mini Test 40, 80<br>UKEICC 80m Contest | <b>6</b><br><b>RARA BoD Mtg 6:30pm</b><br><b>ARES Net 146.610 MHz, 7pm</b><br><b>VHF Group 9pm 50.205 USB</b><br>NRAU 10m Activity Contest<br>SKCC Sprint Europe<br>NCCC Sprints | <b>7</b><br>K1USN Speed Test  | <b>8</b><br><b>AWA Bruce Kelley 1929 Party</b><br><b>ARRL EME Contest</b><br>WAE DX Contest, RTTY<br>PODXS 070 Club Triple Play<br>10-10 Fall Contest, Digital<br><br>OK/OM DX Contest, CW<br>J1DX Phone Contest<br>CQ-WE Contest<br>SKCC Weekend Sprintathon |
| <b>9</b><br><b>AWA Bruce Kelley 1929 Party</b><br><b>ARRL EME Contest</b><br>WAE DX Contest, RTTY<br>PODXS 070 Club Triple Play<br>10-10 Fall Contest, Digital<br>CQ-WE Contest<br>SKCC Weekend Sprintathon<br>FIRAC HF Contest | <b>10</b><br><b>AWA Net 145.110 MHz, 7pm</b><br><b>VHF Group 9pm 144.260 SSB</b><br>CWC Medium Speed Test<br>OK1WC Memorial<br>WW Sideband Activity Contest                                                       | <b>11</b><br>DARC FT4 Sprint<br>Phone Weekly Test<br>NAQCC CW Sprint | <b>12</b><br>A1 Club AWT<br>CWOps Test<br>VHF/UHF FT8 Activity Contest<br>Mini Test 40, 80<br>RSGB 80m Autumn Series, SSB                            | <b>13</b><br>NCCC FT4 Sprint<br>Weekly RTTY Test                                                                                                                                 | <b>14</b><br>K1USN Speed Test | <b>15</b><br><b>ARRL Sweepstakes, SSB</b><br><b>AWA Bruce Kelley 1929 Party</b><br>All Austrian 160-Meter Contest<br>RSGB 1.8MHz Contest<br>Ref 160m Contest<br>Ham Spirit Contest<br>S.Am Integration Contest CW                                             |
| <b>16</b><br><b>ARRL Sweepstakes, SSB</b><br><b>AWA Bruce Kelley 1929 Party</b><br>Ham Spirit Contest<br>S.Am Integration Contest CW                                                                                            | <b>17</b><br><b>AWA Net 145.110 MHz, 7pm</b><br><b>VHF Group 9pm 144.260 SSB</b><br>ICWC Medium Speed Test<br>OK1WC Memorial<br>WW Sideband Activity Contest                                                      | <b>18</b><br>Phone Weekly Test                                       | <b>19</b><br>A1 Club AWT<br>CWOps Test<br>VHF/UHF FT8 Activity Contest<br>Mini Test 40, 80<br>Walk for the Bacon QRP Contest                         | <b>20</b><br>Walk for the Bacon QRP Contest<br>NTC QSO Party<br>NCCC FT4 Sprint<br>Weekly RTTY Test<br>NCCC Sprint                                                               | <b>21</b><br>K1USN Speed Test | <b>22</b><br>LZ DX Contest<br>NA SSB Sprint Contest                                                                                                                                                                                                           |
| <b>23</b><br>LZ DX Contest                                                                                                                                                                                                      | <b>24</b><br><b>AWA Net 145.110 MHz, 7pm</b><br><b>VHF Group 9pm 144.260 SSB</b><br>ICWC Medium Speed Test<br>OK1WC Memorial<br>WW Sideband Activity Contest                                                      | <b>25</b><br>Phone Weekly Test<br>SKCC Sprint                        | <b>26</b><br>A1 Club AWT<br>CWOps Test<br>VHF/UHF FT8 Activity Contest<br>Mini Test 40, 80<br>UKEICC 80m Contest                                     | <b>27</b><br>RSGB 80m Autumn Series, CW<br>NCCC FT4 Sprint<br>Weekly RTTY Test<br>NCCC Sprint                                                                                    | <b>28</b><br>K1USN Speed Test | <b>29 / 30</b><br><b>CQ Worldwide DX Contest, CW</b>                                                                                                                                                                                                          |



# NEWS FROM AREA CLUBS

## MONROE COUNTY ARES / RACES NEWS

Monroe County Amateur Radio Emergency Service (ARES®) is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. Anyone interested, members and non-members, are welcome to attend. The meetings are in person at 6:00 PM at the county EOC in even months and at the Red Cross in odd months. They are also available via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: [secretary@monroecountymcomm.org](mailto:secretary@monroecountymcomm.org).

Monroe County ARES®/RACES meets on the air every Thursday of the month at 7:00 PM, on the W2ARM 146.61 MHz (-) 110.9 Hz PL and 444.45 MHz (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC. On the nights when we hold our regular meeting, the net is at 5:30 PM.

WEB: [www.monroecountymcomm.org](http://www.monroecountymcomm.org)

Facebook: Monroe County Amateur Radio Emergency Service, Inc.  
X@MCARESNY

## ROCHESTER DX ASSOCIATION, RDXA

Please check our website [www.rdxa.com](http://www.rdxa.com) for up-to-date information regarding meeting locations and requirements, if any.



## XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club is meeting quarterly at the Webster Recreation Center. Dates, time, and Zoom meeting info, when available, is sent out to our mailing list. How to subscribe and up-to-date information is always on our website at <http://xarc.us>. We have a System Fusion repeater south of the city on 145.290, and another on 444.825 west of the city. An XLX reflector, XLX927, and YSF reflector are typically bridged to the 145.29 machine, as well as Wires-X Room 21704. The system is DMR capable pointing your hotspot to XLX927.

## AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Emergency Communications Center on Harris Hill in Big Flats, next to the National Soaring Museum. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month at the same location. Both organizations serve amateurs in Chemung County and the surrounding counties in New York and Pennsylvania. All are welcome to attend our meetings, which begin at 7PM. All monthly meetings are held both in person and on Zoom.

Don't forget to check out our repeaters when you visit the area. Currently, N3AQ 147.36(+) and W2ZJ 146.70(-) (both PL 123.0) are our principal 2-meter repeaters. The former can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters in the Twin Tiers area can be found at [https://arasth3.org/arast\\_website/public/repeaters.php](https://arasth3.org/arast_website/public/repeaters.php). We also invite you to check out our 6-meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. We would welcome participation from RARA members.

## COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30 PM on 147.285+. We'd love to hear you check-in!

## DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 PM. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

## DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

## KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

Just an update on what KLARA is up to:

- KLARA hosts several nets – come join the fun! See [KLARA.us](http://KLARA.us) for details.
  - The KLARA Weekday daily SSB net – Daily at 8AM 3.896 MHz.
  - The KLARA CW Practice net – M/Th 7PM 3.541 MHz.
  - The KLARA Sunday Night 2-m net with Trivia – Every Sunday at 8PM on the KLARA repeater system.
  - The KLARA 2-meter Wednesday Night RAG Chew Net – Every Wednesday at 8PM on the KLARA repeater system.
- August 12-15: Bath Fair – KLARA will be hosting an information booth. Stop by for a chat!
- August 16: KLARA Hamfest in Howard. Come get those ham treasures!
- August 23: KLARA End of Summer Picnic, POTA activation, and Fox Hunt at Keuka State Park.
- September 10: Meeting: BoD and KLARA Officer elections.
- October 8: KLARA meeting: (Tentative) Presentation by Joel KC2VAW to present: How to Use USGS Topographic Map
- October 11: Repeater Roundup with the contest scheduled to run from Noon until 4:00 PM. See [KLARA.us](http://KLARA.us) for details.
- November 12: KLARA meeting: (Tentative) presentation by Ron K2TJW on ARES.
- December: KLARA Christmas Party!

Best 73!

ANDY JACKSON K2CRV  
KLARA PRESIDENT

See our website for details [KLARA.US](http://KLARA.US)



## ROCHESTER VHF GROUP

You are invited to  
join us on-line &  
on-the-air! We're  
here to help you to  
use the license that  
you worked so hard to get.



Check out what we do by visiting our  
website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message  
to [RVHFG+subscribe@groups.io](mailto:RVHFG+subscribe@groups.io).

Join our weekly on-the-air nets on SSB:  
2 meter band - Monday 9 PM 144.260 USB  
6 meter band - Thursday 9 PM 50.205 USB

No VHF SSB radio (yet) to join the nets?  
Log-in to Echolink [ka2ene-L #23426](https://www.echolink.org/dm7ka/ka2ene-L/#23426)

We can help to answer the question, "What radio should I buy?" Here's a list of HF+++ radios, those with the HF bands and at least three VHF bands, giving you access to all sorts of VHF fun. Research each one to see which serves you best. Ask questions on our email list. We're here to help!

|                  |                 |              |
|------------------|-----------------|--------------|
| Yaesu FT-100D    | Yaesu FT-817    | Yaesu FT-818 |
| Yaesu FT-847     | Yaesu FT-857    | Yaesu FT-897 |
| Icom IC-706MKIIG | Icom IC-7000    | Icom IC-7100 |
| Icom IC-9100     | Kenwood TS-2000 |              |

Some are older models and some are newer models, but all provide access to the 6 meter, 2 meter, and 70 centimeter bands using both traditional FM and the exciting narrow-band SSB mode that supports unexpectedly long-distance (100's of km's routinely and 1,000's of km occasionally) VHF communication. These are good all-around radios no matter what club you end up affiliating with later. We hope its us.



## ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2<sup>nd</sup> Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00 PM, meeting starts at 7:30 PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two-meter net every Tuesday night at 9:00 PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

## SKENOH ISLAND AMATEUR RADIO CLUB, SIARC

The Skenoh Island Amateur Radio Club (SIARC) and meets every second Wednesday of the month at 7:30 PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30 PM. The next meeting will be on Wednesday, November 12th. There will be exam testing at this meeting.

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY), Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate.

## ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association will be having its next meeting on Friday November 21st. It will be held at the Pittsford Town Hall meeting room in the basement at 7:30PM. The entrance is in the back of the building. If you can't make it in person please plan to attend via zoom.

Current information and zoom login can be found on our web site, [www.k2rra.org](http://www.k2rra.org)

The current club officers are Bob Odell - N2BZX - President, Bob Shewell - N2HJD - Vice President, Jay Stewart W4JPS - Secretary, and Jerry Powell - KC2YSY - Treasurer / Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site using PayPal. [www.k2rra.org](http://www.k2rra.org)

## THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

### THE RADIO AMATEUR IS:

|                    |                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CONSIDERATE</b> | Never knowingly operating in such a way as to lessen the pleasure of others.                                                                                                                                               |
| <b>LOYAL</b>       | Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.            |
| <b>PROGRESSIVE</b> | With knowledge abreast of science, a well built and efficient station and operation beyond reproach.                                                                                                                       |
| <b>FRIENDLY</b>    | With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit. |
| <b>BALANCED</b>    | Radio is an avocation, never interfering with duties owed to family, job, school or community.                                                                                                                             |
| <b>PATRIOTIC</b>   | With station and skill always ready for service to country and community.                                                                                                                                                  |

# RARA OFFICERS, DIRECTORS AND COORDINATORS

## OFFICERS

|                                               |                |                                                                                    |                                          |                |                                                                            |
|-----------------------------------------------|----------------|------------------------------------------------------------------------------------|------------------------------------------|----------------|----------------------------------------------------------------------------|
| <b>President:</b><br>Richard Bishopp, KD2UBJ  | (585) 766-5631 | <a href="mailto:president@rochesterham.org">president@rochesterham.org</a>         | <b>Treasurer:</b><br>George Adams, K4GWA | (585) 704-8198 | <a href="mailto:treasurer@rochesterham.org">treasurer@rochesterham.org</a> |
| <b>Vice-President:</b><br>Jeff Fuller, KE2ELI | (585) 355-5964 | <a href="mailto:vicepresident@rochesterham.org">vicepresident@rochesterham.org</a> | <b>Secretary:</b><br>Mike Moore, KC2NM   | (585) 721-0011 | <a href="mailto:secretary@rochesterham.org">secretary@rochesterham.org</a> |

## DIRECTORS

|                     |                |                                                                          |                        |                |                                                                        |
|---------------------|----------------|--------------------------------------------------------------------------|------------------------|----------------|------------------------------------------------------------------------|
| Tim Guyot, KB1POP   | (585) 406-3163 | <a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>               | Dave Wilson, WA2HOY    | (585) 200-4447 | <a href="mailto:davidrw@rochester.rr.com">davidrw@rochester.rr.com</a> |
| Chris Reich, WB2DYJ | (585) 507-0956 | <a href="mailto:chrisreich@rocketmail.com">chrisreich@rocketmail.com</a> | Tim Barrett, K9VB      | (646) 496-5015 | <a href="mailto:Tim.k9vb@gmail.com">Tim.k9vb@gmail.com</a>             |
| Don Wegeng, KD2WWY  | (585) 775-9556 | <a href="mailto:dwegeng@gmail.com">dwegeng@gmail.com</a>                 | Brian O'Connor, KA2CGB | (585) 721-2346 | <a href="mailto:ka2cgb@gmail.com">ka2cgb@gmail.com</a>                 |

## ACTIVITY COORDINATORS

|                                    |                                               |                                                                                                                            |                                    |                                               |                                                                                    |
|------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------|
| <b>Club Historian</b>              | Ed Gable, K2MP                                | <a href="mailto:egable@rochester.rr.com">egable@rochester.rr.com</a>                                                       | <b>Public Service</b>              | Mike Moore, KC2NM                             | <a href="mailto:publicservice@rochesterham.org">publicservice@rochesterham.org</a> |
| <b>Club Station Trustee</b>        | Dave Enright, K3WHD                           | <a href="mailto:denright1228@gmail.com">denright1228@gmail.com</a>                                                         | <b>QSL MANAGER</b>                 | Dave Enright, K3WHD                           | <a href="mailto:denright1228@gmail.com">denright1228@gmail.com</a>                 |
| <b>Education Coordinator</b>       |                                               | <a href="mailto:education@rochesterham.org">education@rochesterham.org</a>                                                 | <b>Raffle Administrators</b>       | Forest Shick, WA2MZG<br>Jeff Sonstein, WA2RRB | <a href="mailto:wa2mzg@arrl.net">wa2mzg@arrl.net</a>                               |
| <b>Elmer's Corner</b>              | Aaron Rombaut, KE2DYI                         | <a href="mailto:elmerscorner@rochesterham.org">elmerscorner@rochesterham.org</a>                                           | <b>RARA Academy</b>                | Aaron Rombaut, KE2DYI                         | <a href="mailto:academy@rochesterham.org">academy@rochesterham.org</a>             |
| <b>Groups.io Moderators</b>        | Tim Barrett, K9VB<br>Karl Heinz Kremer, K5KHK | <a href="mailto:tim.k9vb@gmail.com">tim.k9vb@gmail.com</a><br><a href="mailto:k5khk@khk.net">k5khk@khk.net</a>             | <b>RARA RAG Editor</b>             | Forest Shick, WA2MZG                          | <a href="mailto:editor@rochesterham.org">editor@rochesterham.org</a>               |
| <b>Hamfest Co-Producers</b>        | Tim Guyot, KB1POP<br>Mike Moore, KC2NM        | <a href="mailto:hfproducer@rochesterham.org">hfproducer@rochesterham.org</a>                                               | <b>Proof Readers</b>               | Dave Wilson, WA2HOY<br>Mark Pedersen, KC2UES  |                                                                                    |
| <b>License Testing Coordinator</b> | Don Kiser, AC2EV                              | <a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>                                                               | <b>Refreshments</b>                | Rich Hoffarth, K2AXP                          | <a href="mailto:rhoffarth2000@yahoo.com">rhoffarth2000@yahoo.com</a>               |
| <b>Media Communications</b>        | Tim Guyot, KB1POP                             | <a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>                                                                 | <b>Reward Points Administrator</b> | Tim Barrett, K9VB                             | <a href="mailto:membership@rochesterham.org">membership@rochesterham.org</a>       |
| <b>Meeting Audio</b>               | Joe DiVincenzo, AD2DB<br>Scott Czeck, KC1GHT  | <a href="mailto:joedy58@gmail.com">joedy58@gmail.com</a><br><a href="mailto:scottczeck@gmail.com">scottczeck@gmail.com</a> | <b>Telephone Hotline</b>           | Brian O'Connor, KA2CGB                        | <a href="mailto:treasurer@rochesterham.org">treasurer@rochesterham.org</a>         |
| <b>Membership Secretary</b>        | Tim Barrett, K9VB                             | <a href="mailto:membership@rochesterham.org">membership@rochesterham.org</a>                                               | <b>Webmaster</b>                   | Scott Theis, W2LW                             | <a href="mailto:webmaster@rochesterham.org">webmaster@rochesterham.org</a>         |
| <b>Online Meetings</b>             | Scott Theis, W2LW                             | <a href="mailto:sa_theis@hotmail.com">sa_theis@hotmail.com</a>                                                             |                                    |                                               |                                                                                    |



## ROCHESTER AREA RADIO CLUB CONTACTS

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Astronomy Section Rochester Academy of Science

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Community Amateur Radio Club (CARC)

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Digital Communications Association of Perinton (DCAP)

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Keuka Lake Amateur Radio Association (KLARA)

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Rochester VHF Group (RVHFG)

Jarred Jackson: [chairman@rvhfg.org](mailto:chairman@rvhfg.org)

Skenoh Island Amateur Radio Club (SIARC)

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XRX Amateur Radio Club

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Rochester Makerspace

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## DECEMBER RAG DEADLINE NOVEMBER 15, 2025

RARA MEETS AT 7PM ON THE FIRST  
WEDNESDAY OF EACH MONTH.

JOIN US IN PERSON

No Online Meeting for November

CONTACT [WEBMASTER@ROCHESTERHAM.ORG](mailto:WEBMASTER@ROCHESTERHAM.ORG) FOR SUPPORT

## Rochester Area Repeater Listing THE RARA RAG

Published by  
Rochester Amateur Radio Association, Inc.  
P.O. Box 93333, Rochester, NY, 14692-8333  
Hotline – (585) 210- 8910  
Website – <http://www.rochesterham.org>

| Auction Item Description                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                   |                                                                                   |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| seller's callsign                                                                                                                                                                          | make and model                                                                      |                                                                                     |                                                                                   | reserve price                                                                     |                                                                                   |
| description                                                                                                                                                                                |                                                                                     |                                                                                     |                                                                                   |                                                                                   |                                                                                   |
| condition: (circle one)                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                   |                                                                                   |                                                                                   |
| as new   recently tested OK   operational when retired   unknown   repairable   for parts                                                                                                  |                                                                                     |                                                                                     |                                                                                   |                                                                                   |                                                                                   |
| Description and condition information presented by the seller is assumed to be complete and accurate. All sales are on an as-is where-is basis. Cash settlement only. All sales are final. |                                                                                     |                                                                                     | buyer's callsign                                                                  | sales price                                                                       |                                                                                   |
| interested bidders: attach your token below                                                                                                                                                |                                                                                     |                                                                                     |                                                                                   |                                                                                   |                                                                                   |
|                                                                                                         |  |  |  |  |  |

| Auction Item Description                                                                                                                                                                   |                                                                                       |                                                                                       |                                                                                     |                                                                                     |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| seller's callsign                                                                                                                                                                          | make and model                                                                        |                                                                                       |                                                                                     | reserve price                                                                       |                                                                                     |
| description                                                                                                                                                                                |                                                                                       |                                                                                       |                                                                                     |                                                                                     |                                                                                     |
| condition: (circle one)                                                                                                                                                                    |                                                                                       |                                                                                       |                                                                                     |                                                                                     |                                                                                     |
| as new   recently tested OK   operational when retired   unknown   repairable   for parts                                                                                                  |                                                                                       |                                                                                       |                                                                                     |                                                                                     |                                                                                     |
| Description and condition information presented by the seller is assumed to be complete and accurate. All sales are on an as-is where-is basis. Cash settlement only. All sales are final. |                                                                                       |                                                                                       | buyer's callsign                                                                    | sales price                                                                         |                                                                                     |
| interested bidders: attach your token below                                                                                                                                                |                                                                                       |                                                                                       |                                                                                     |                                                                                     |                                                                                     |
|                                                                                                       |  |  |  |  |  |